

FIG. 1A

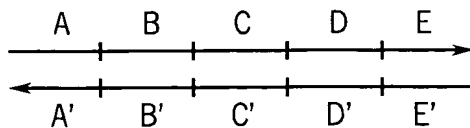


FIG. 1B

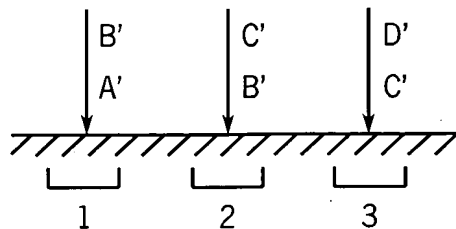


FIG. 1C

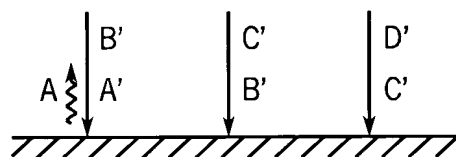


FIG. 1D

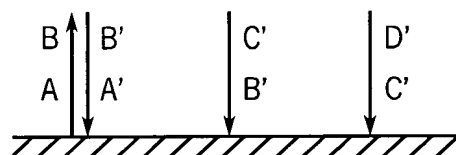


FIG. 1E

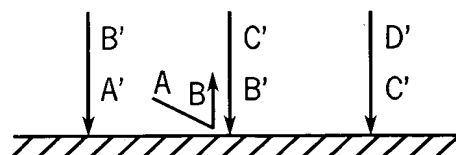


FIG. 1F

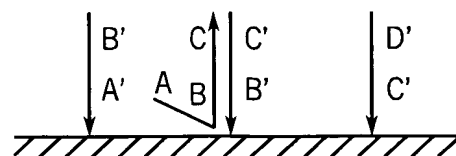


FIG. 2A

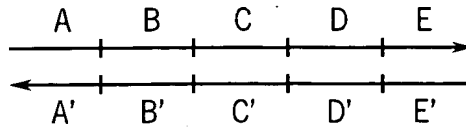


FIG. 2B

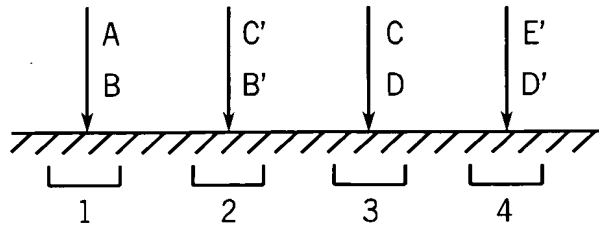


FIG. 2C

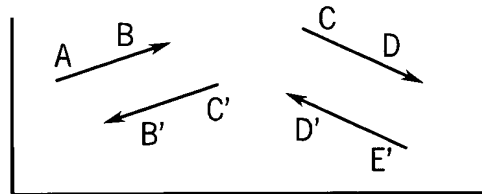


FIG. 2D

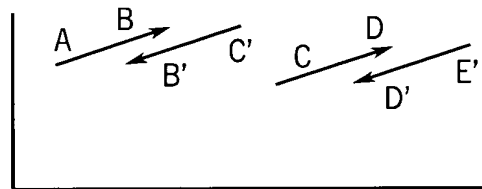


FIG. 2E

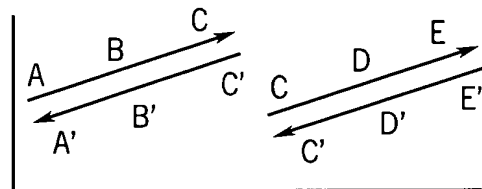


FIG. 2F

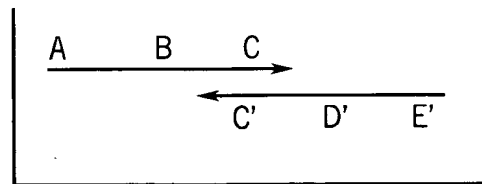


FIG. 2G

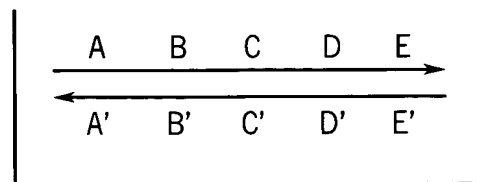


FIG. 3A

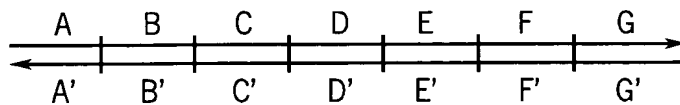


FIG. 3B

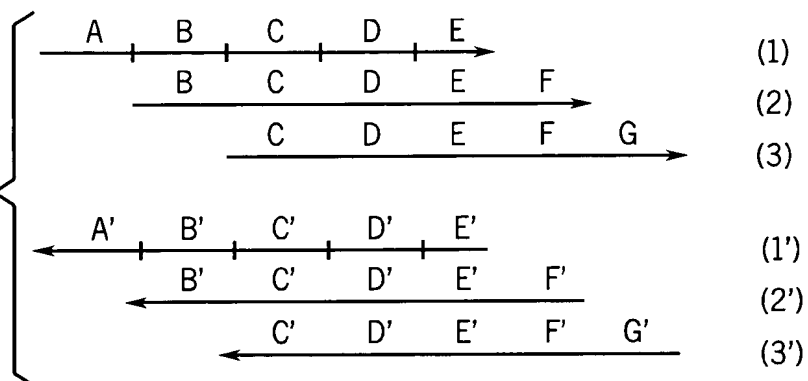


FIG. 3C

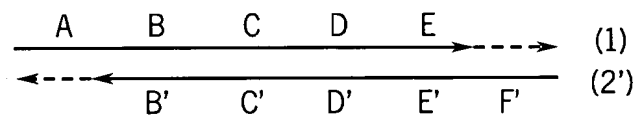


FIG. 3D

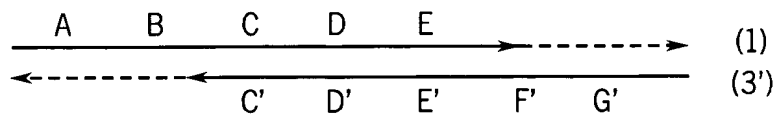


FIG. 4

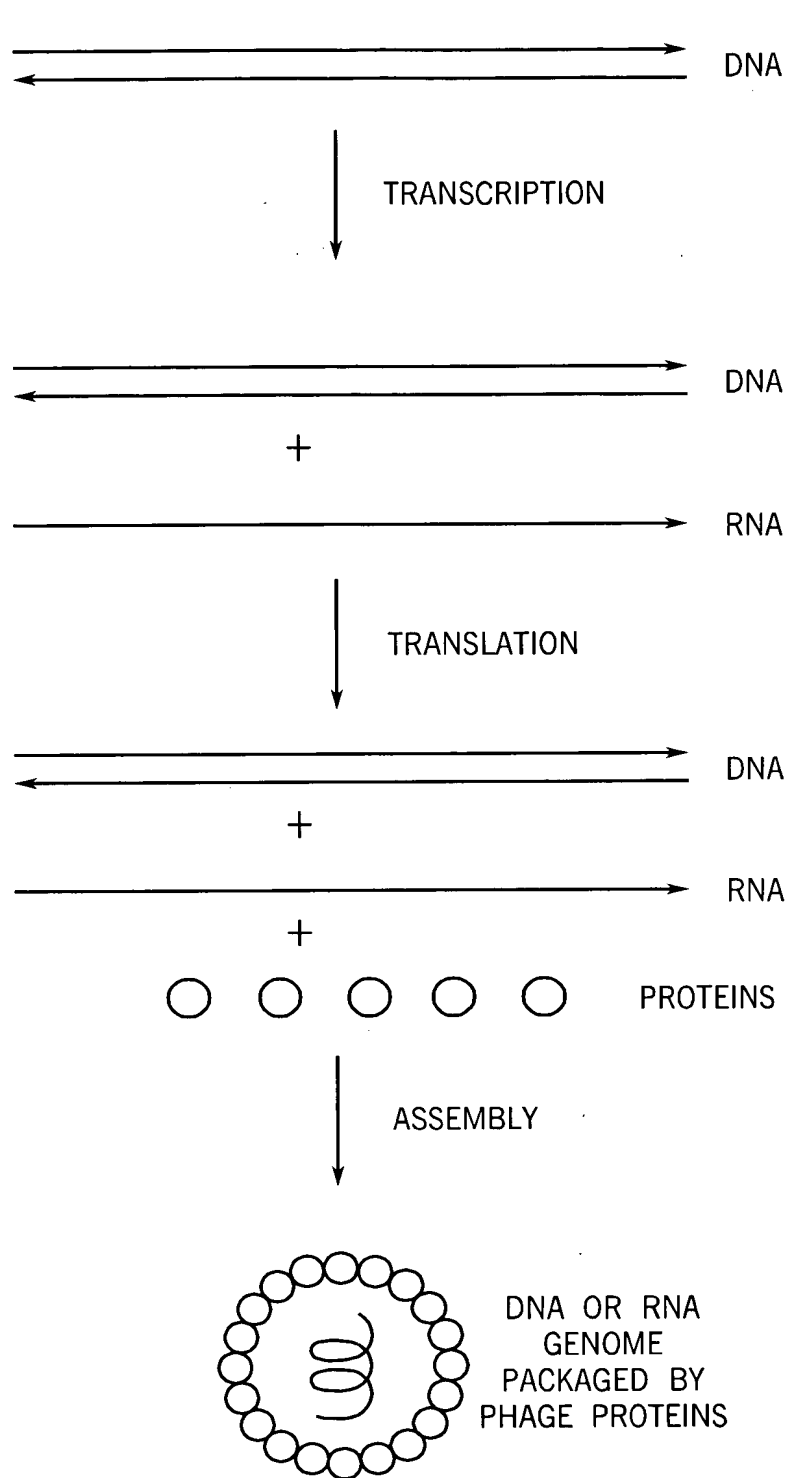
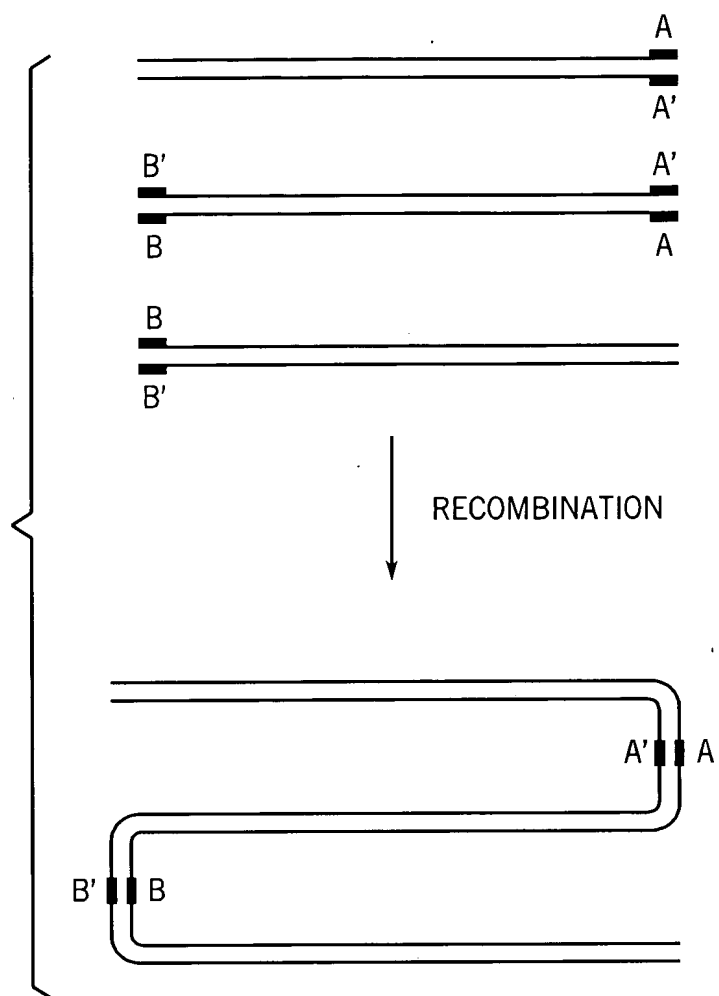


FIG. 5



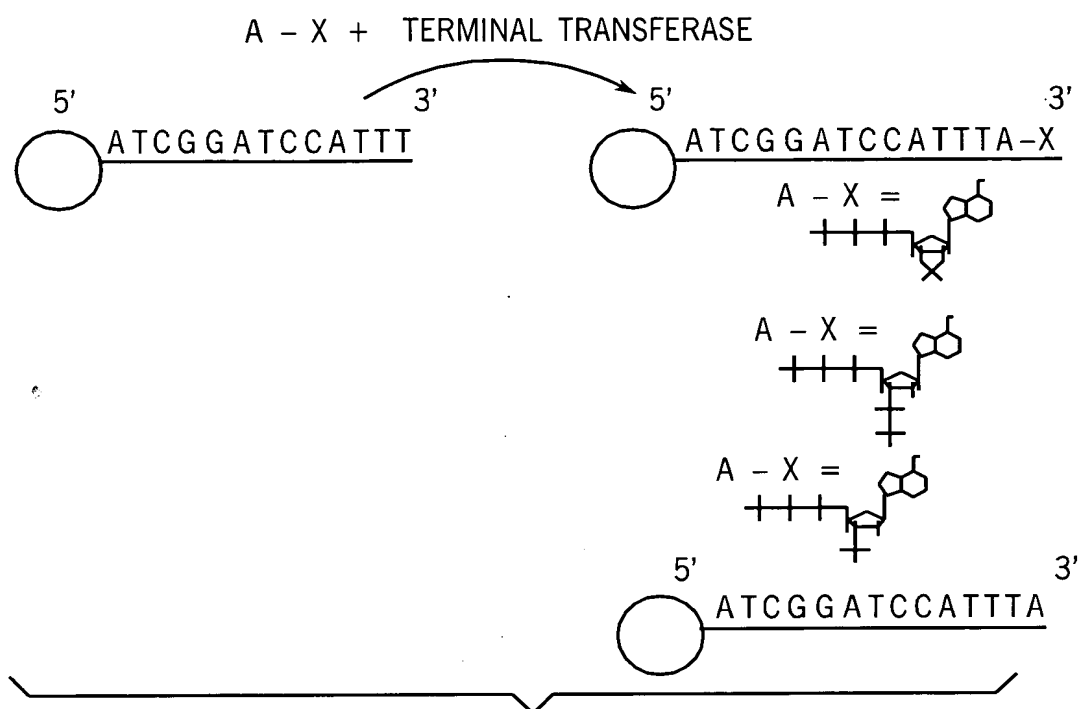


FIG. 6A

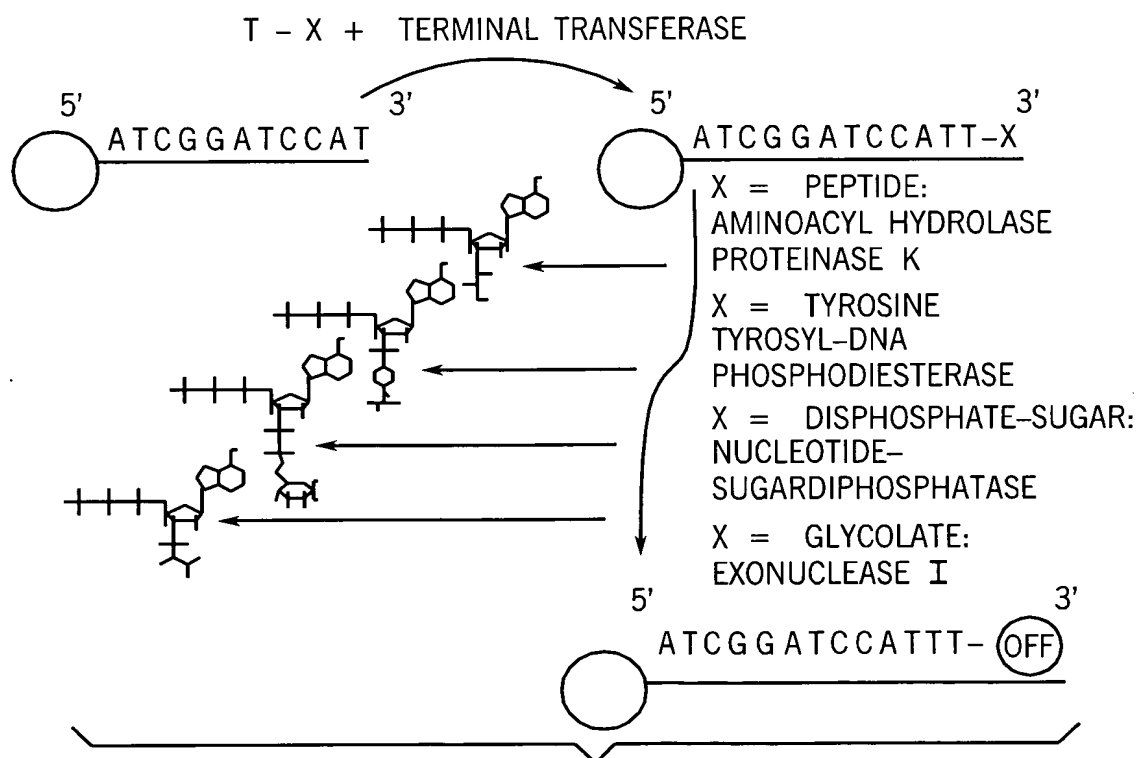


FIG. 6B

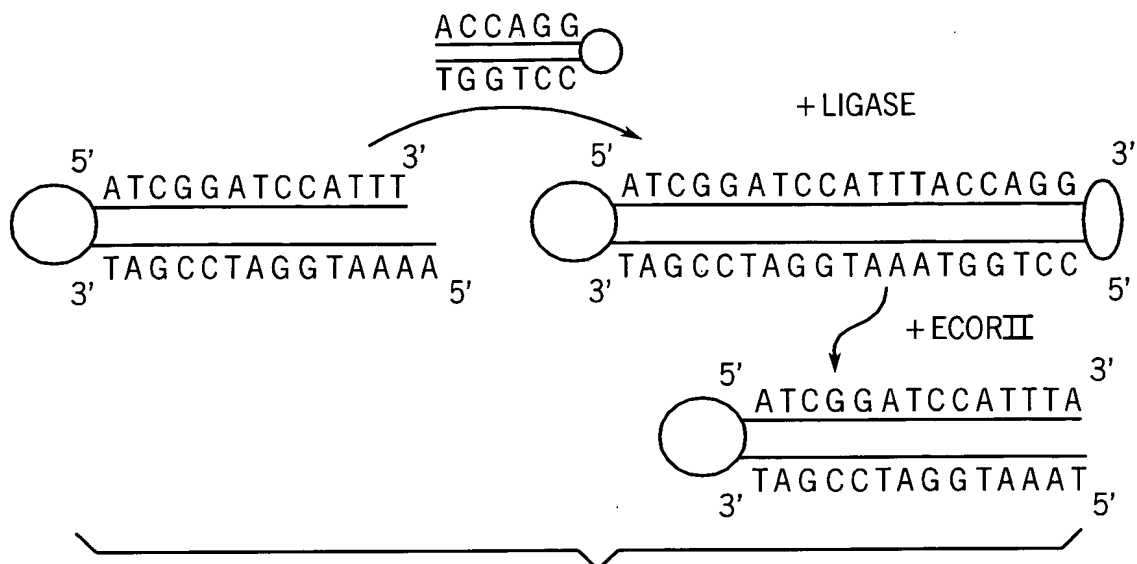


FIG. 7

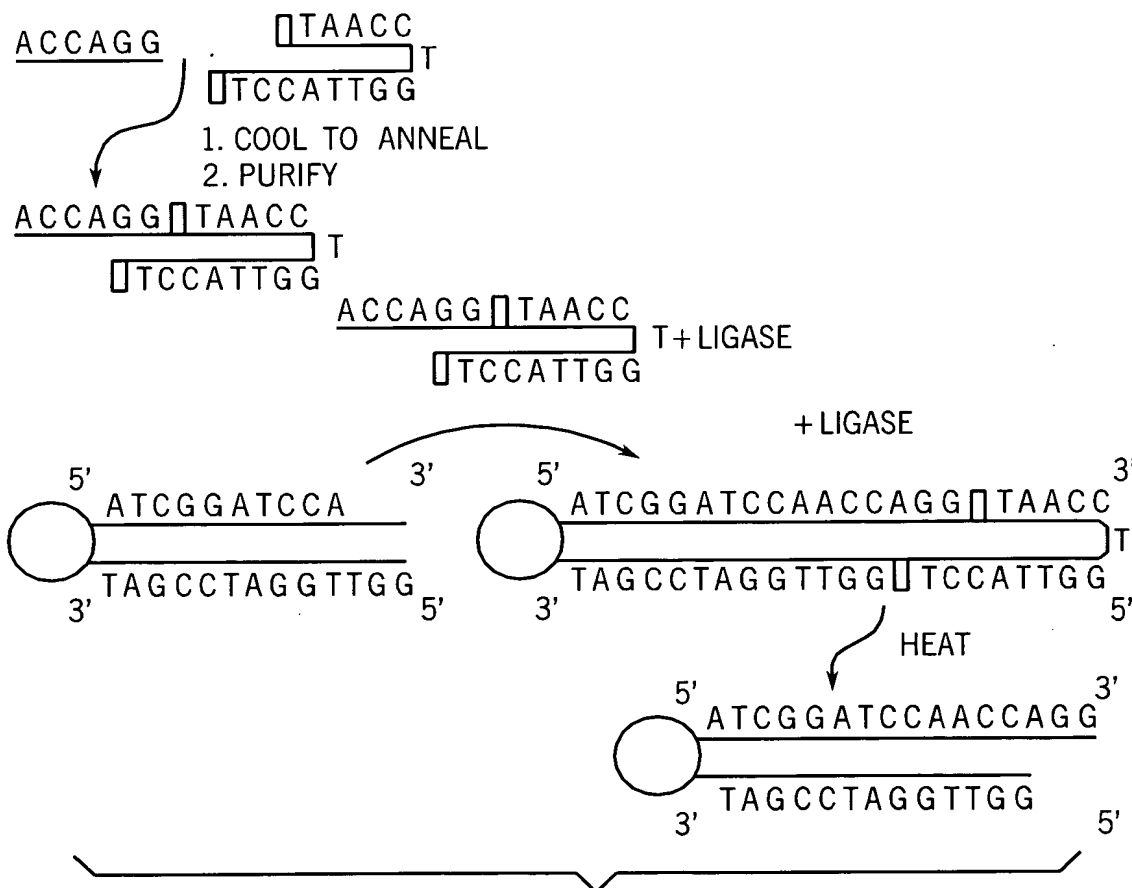


FIG. 8A

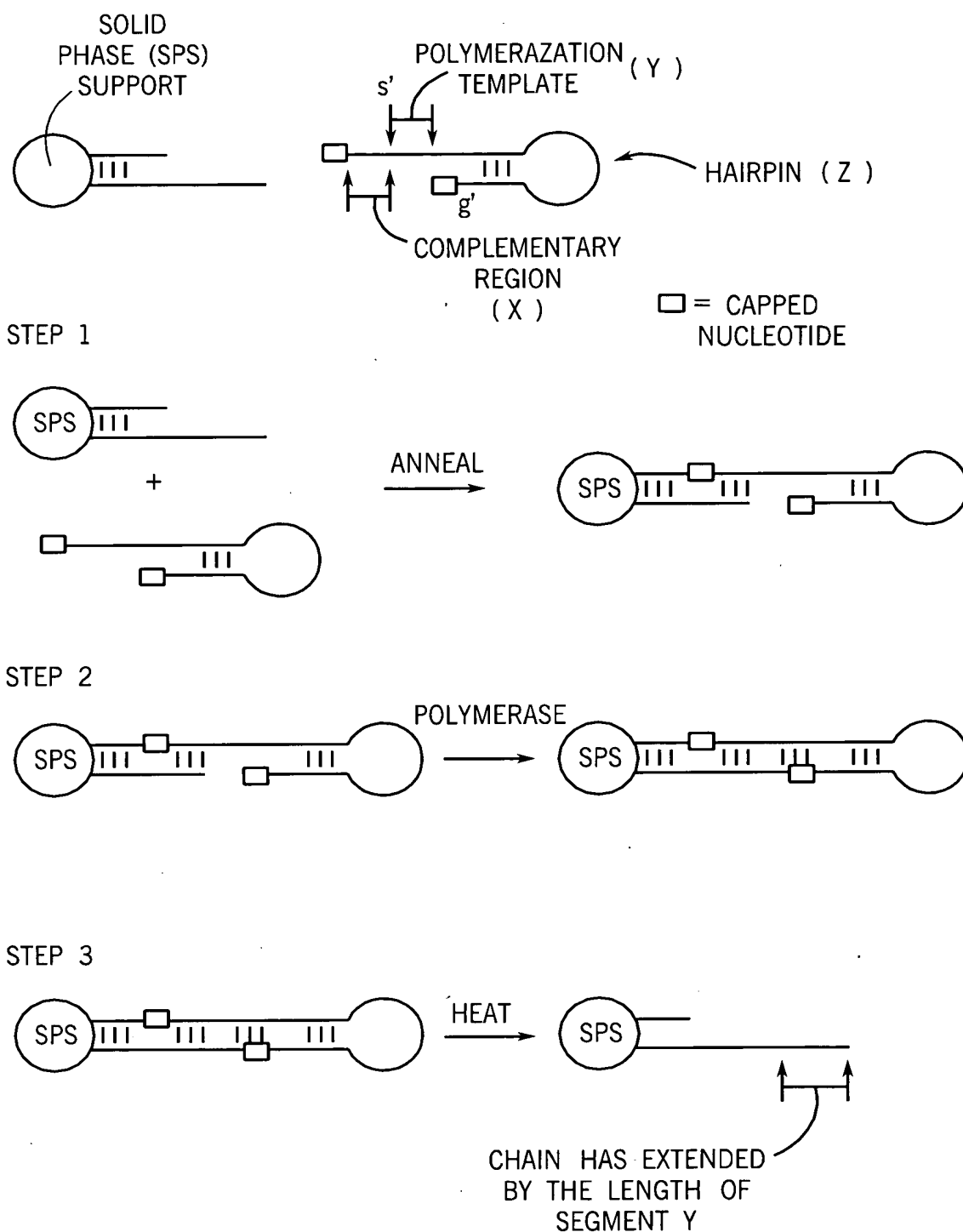
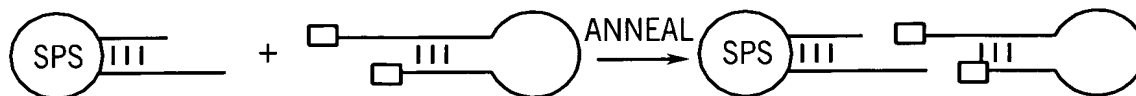
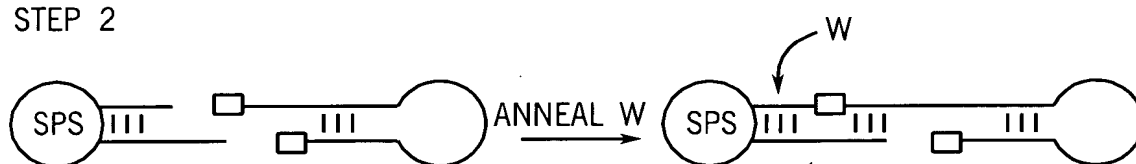


FIG. 8B

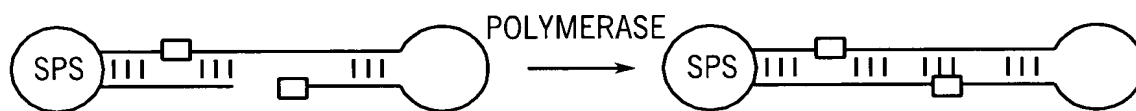
STEP 1



STEP 2



STEP 3



STEP 4

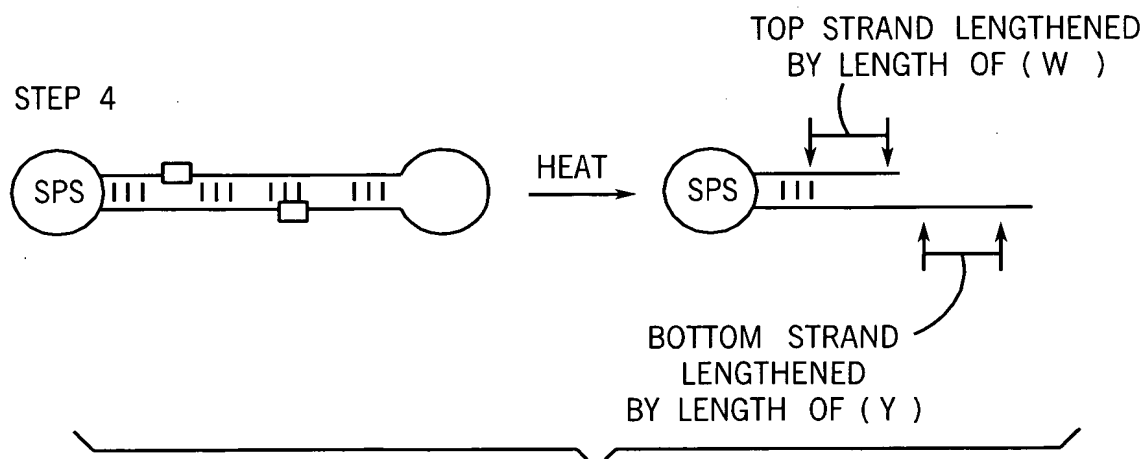


FIG. 8C

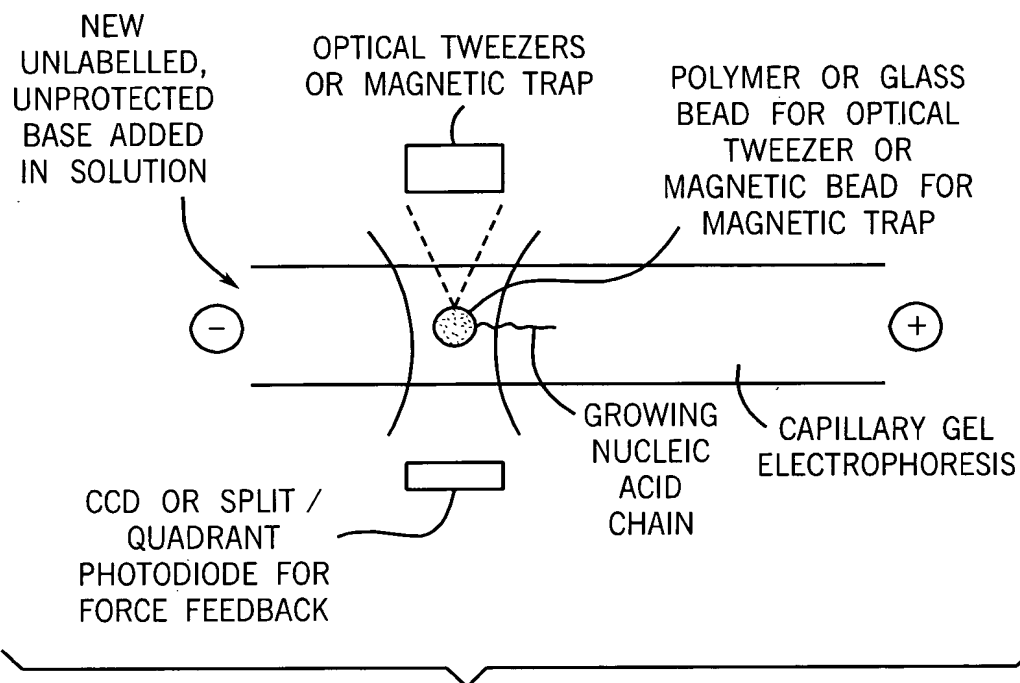


FIG. 9A

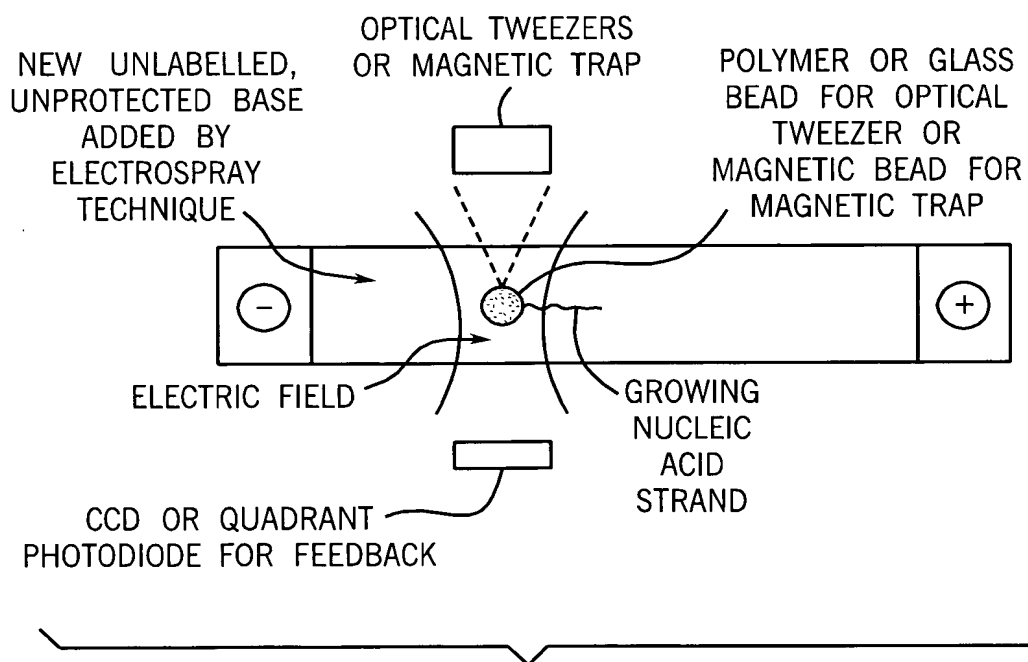


FIG. 9B

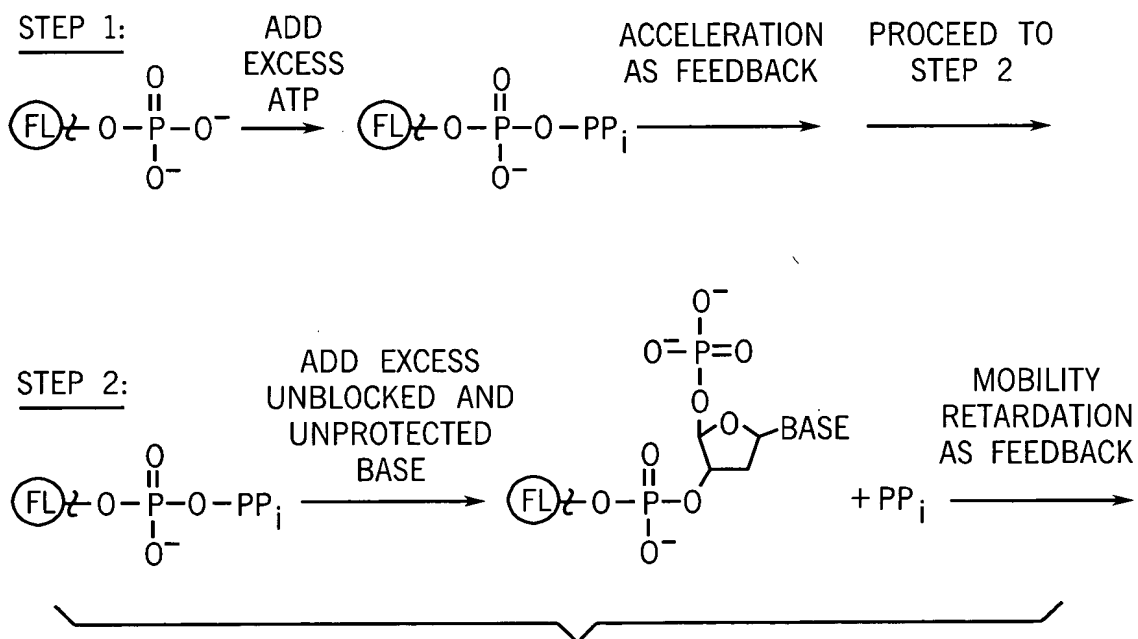
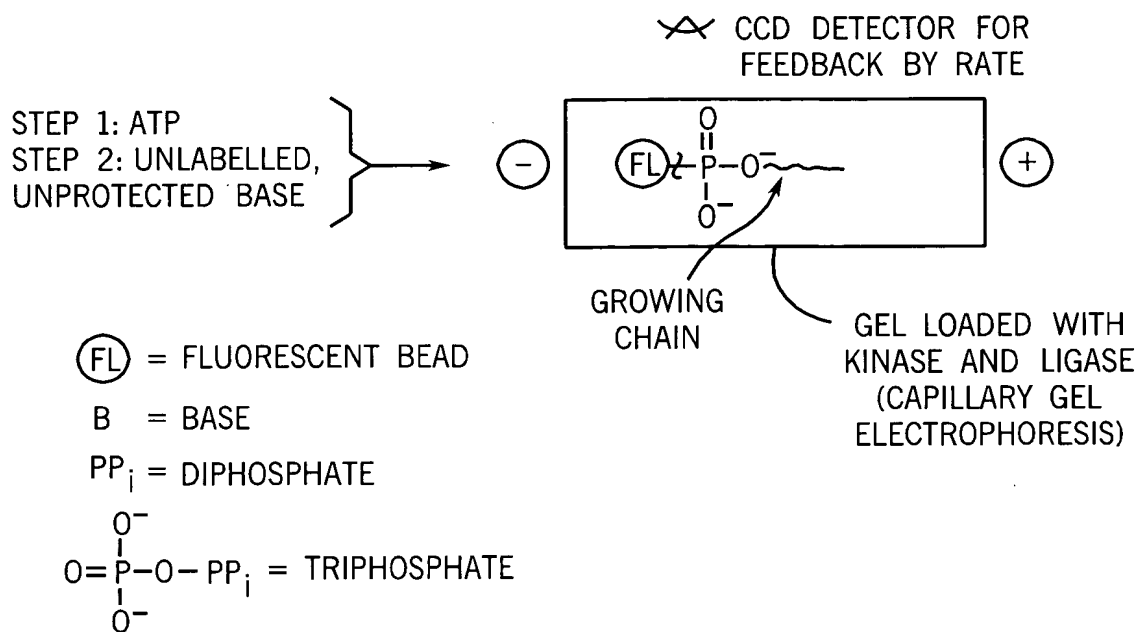


FIG. 10

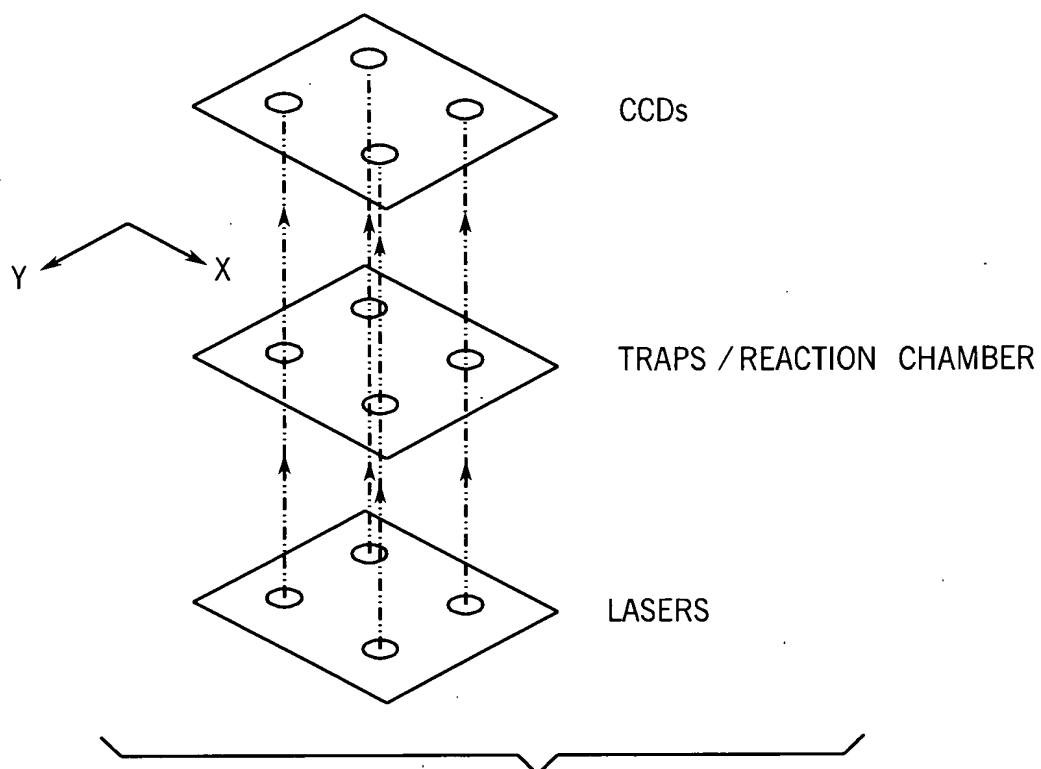


FIG. 11A

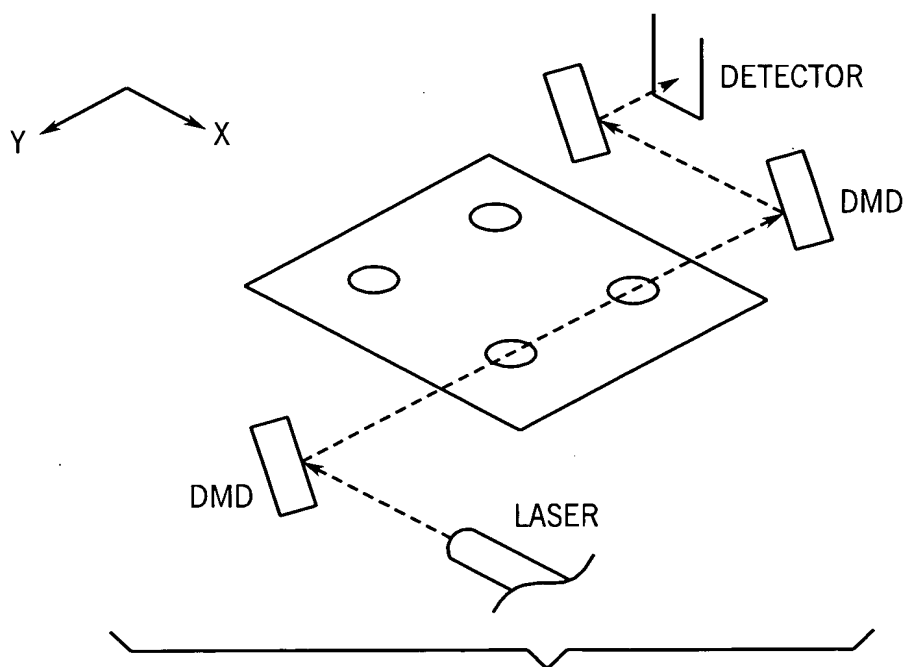


FIG. 11B

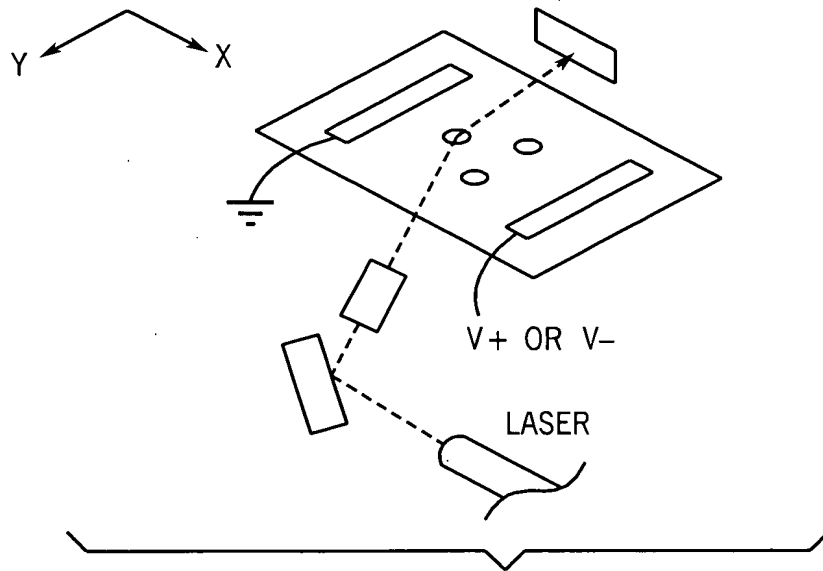


FIG. 12A

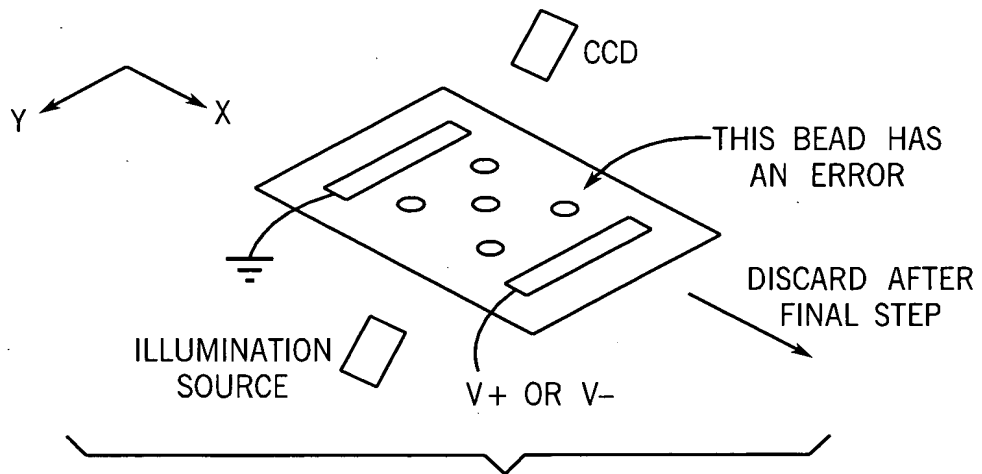


FIG. 12B

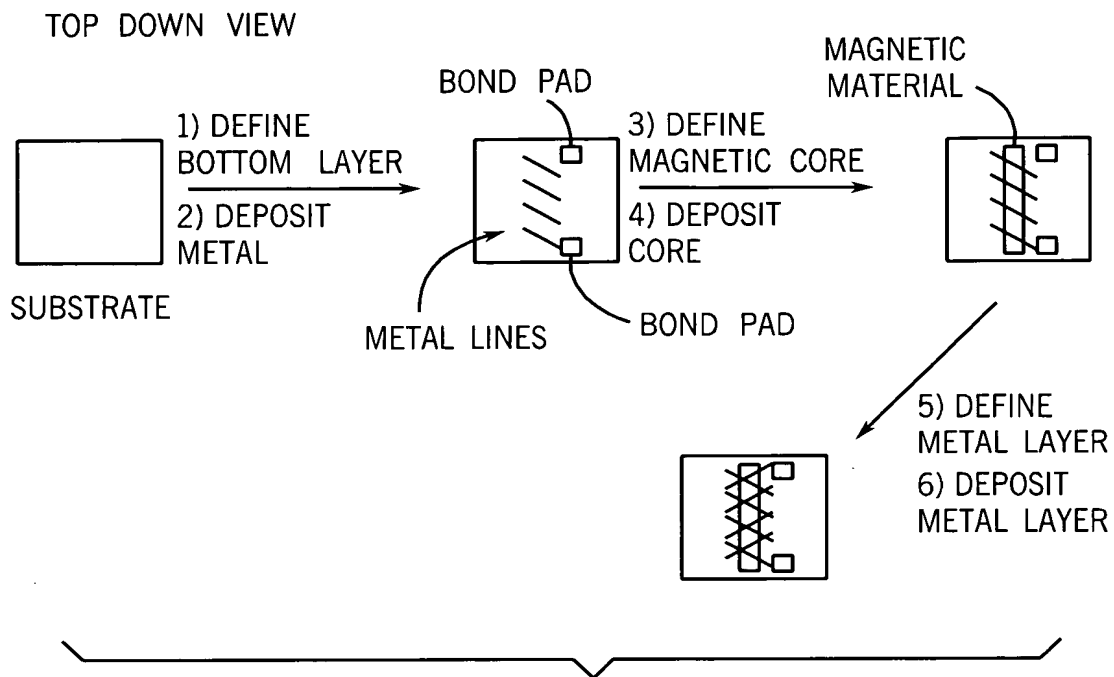


FIG. 13A

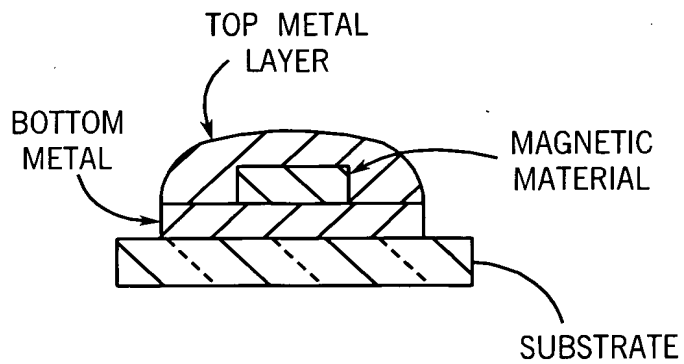
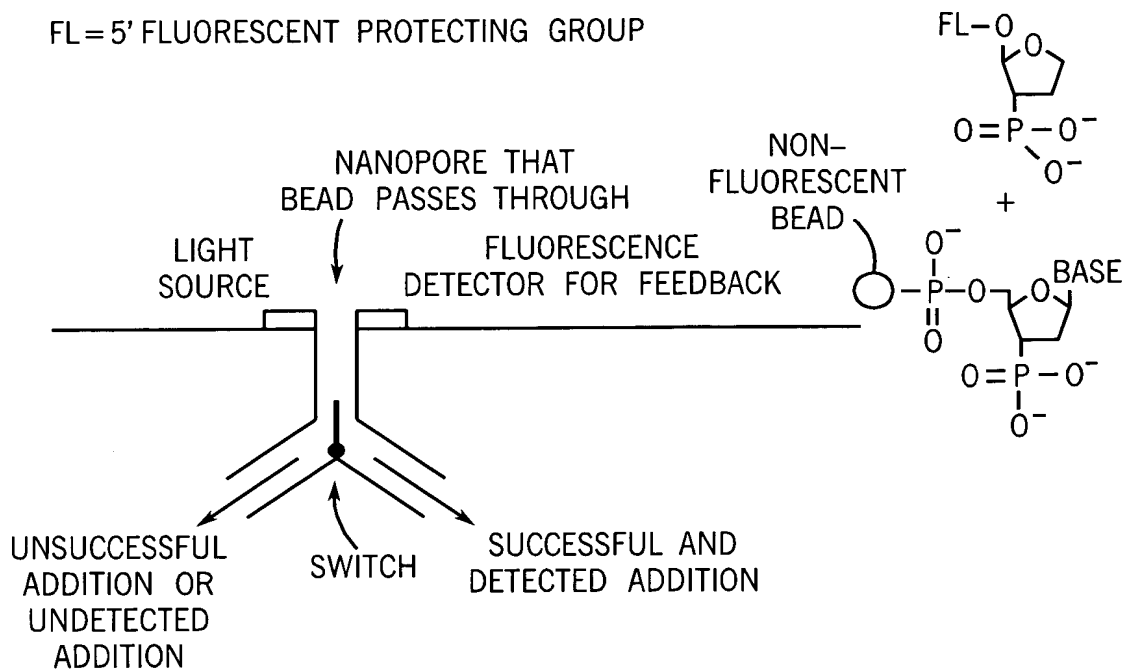


FIG. 13B



STEPS:

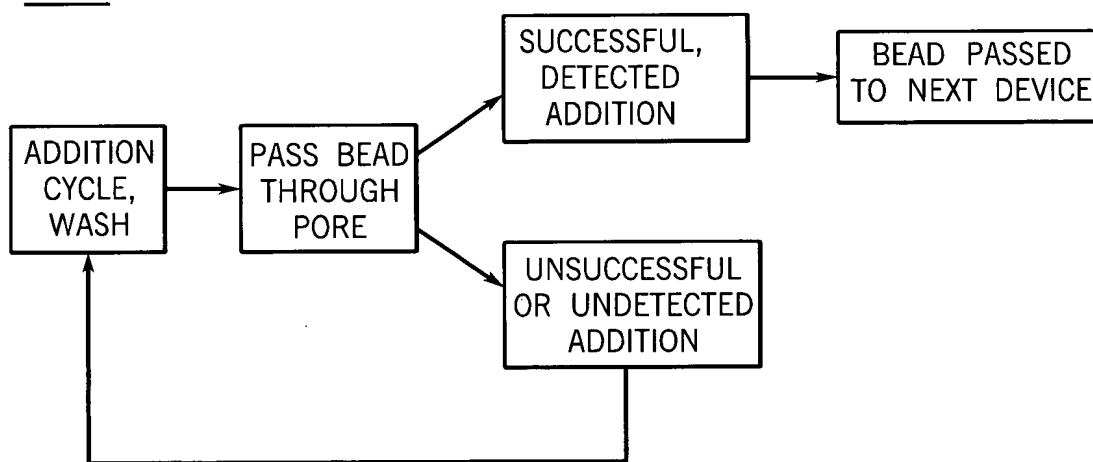


FIG. 14A

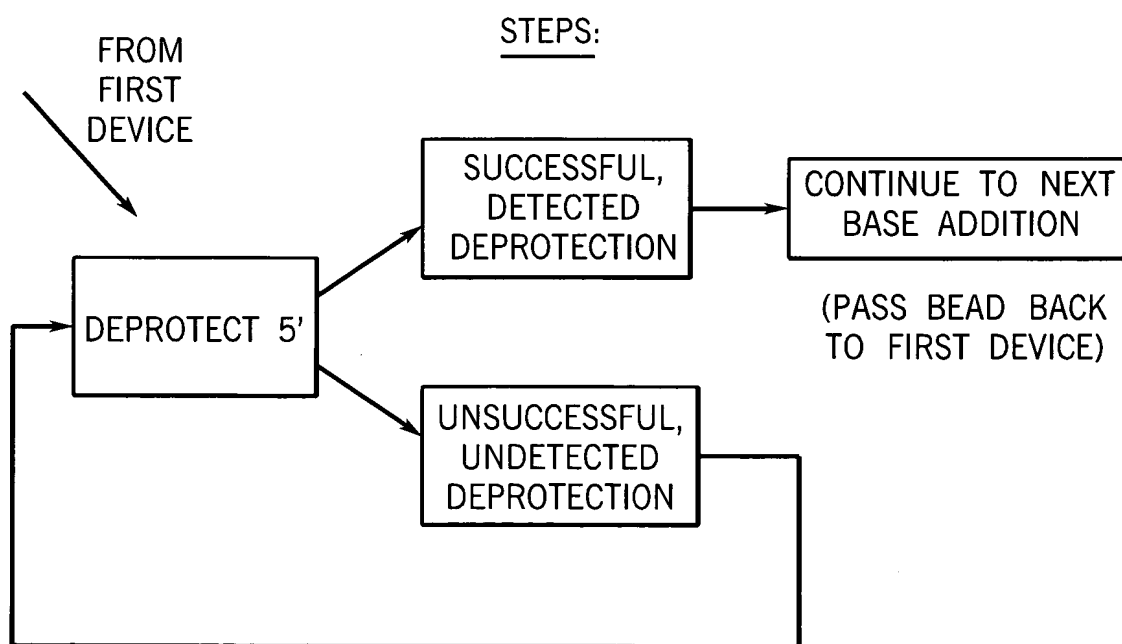
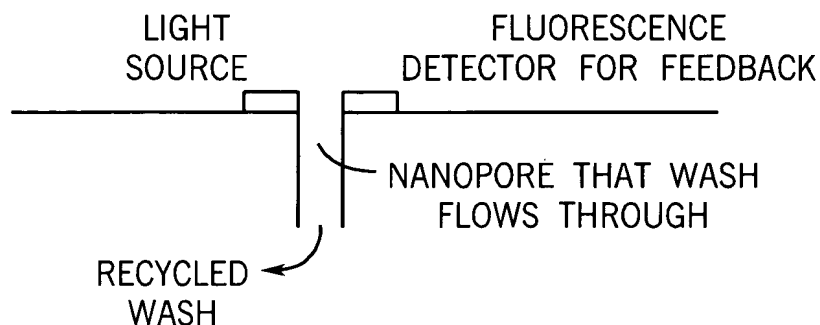
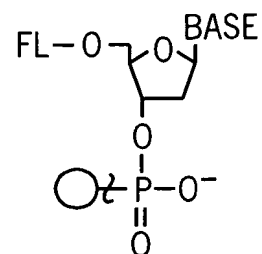


FIG. 14B

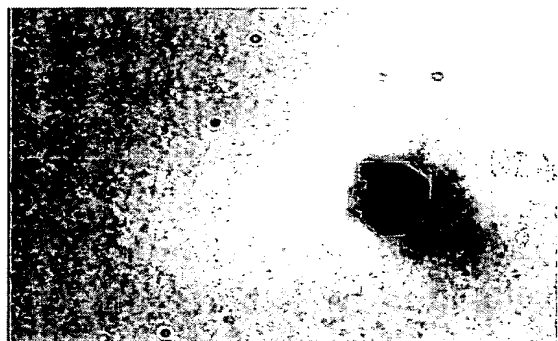


FIG. 15A

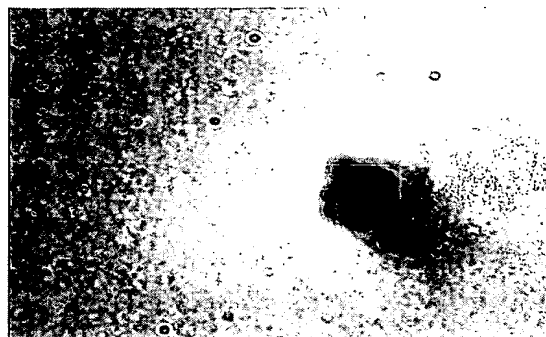


FIG. 15B

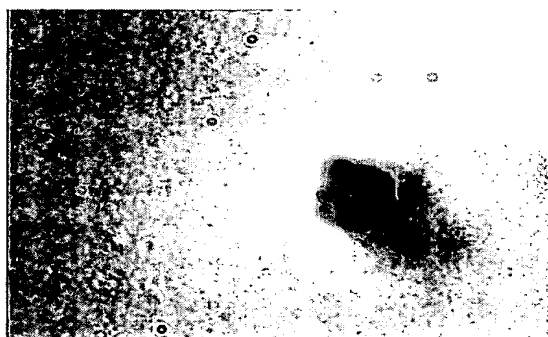


FIG. 15C

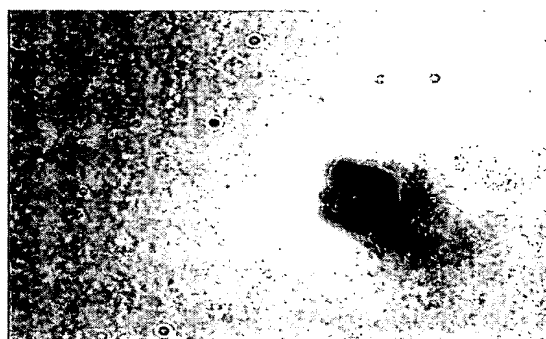


FIG. 15D

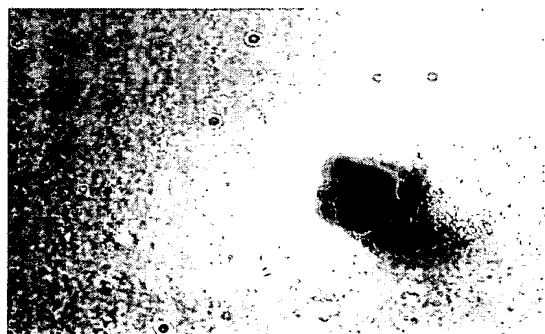


FIG. 15E

FIG. 15F

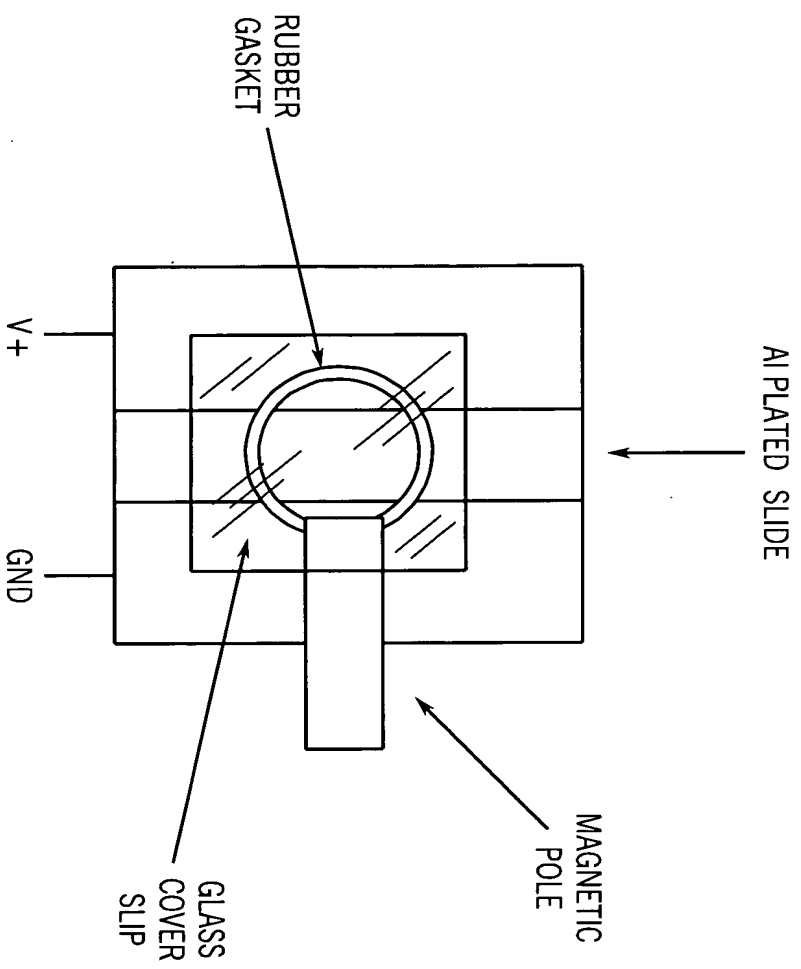
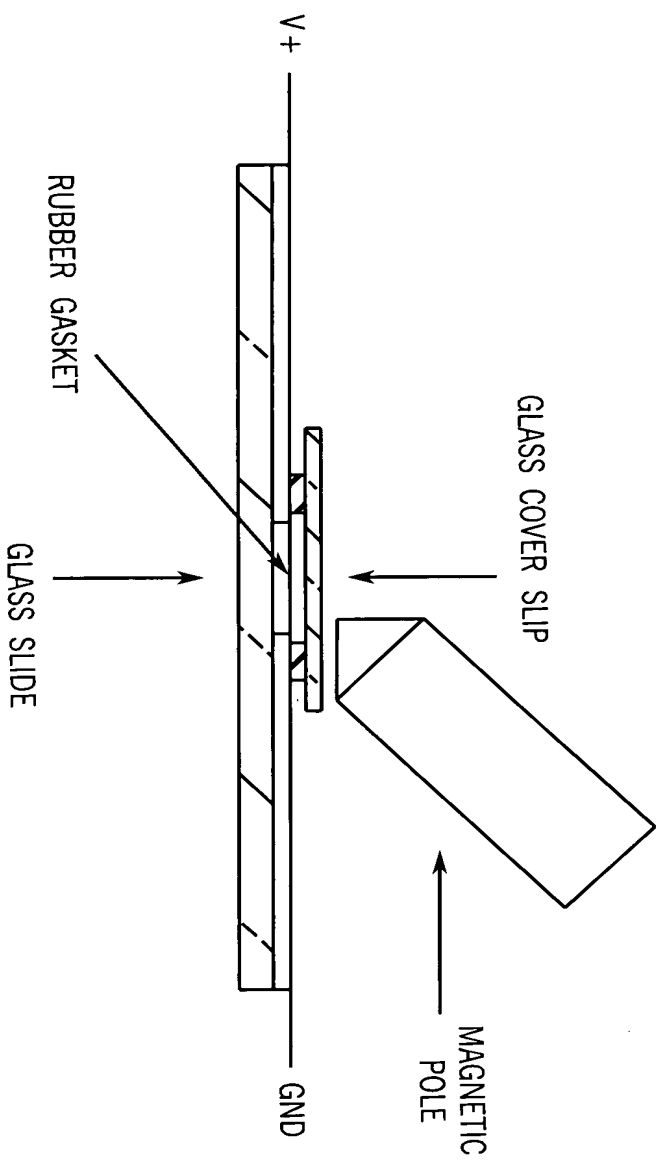


FIG. 15G



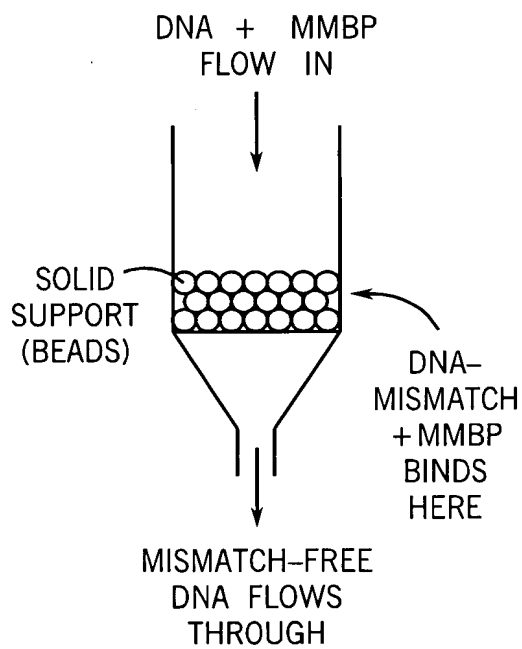
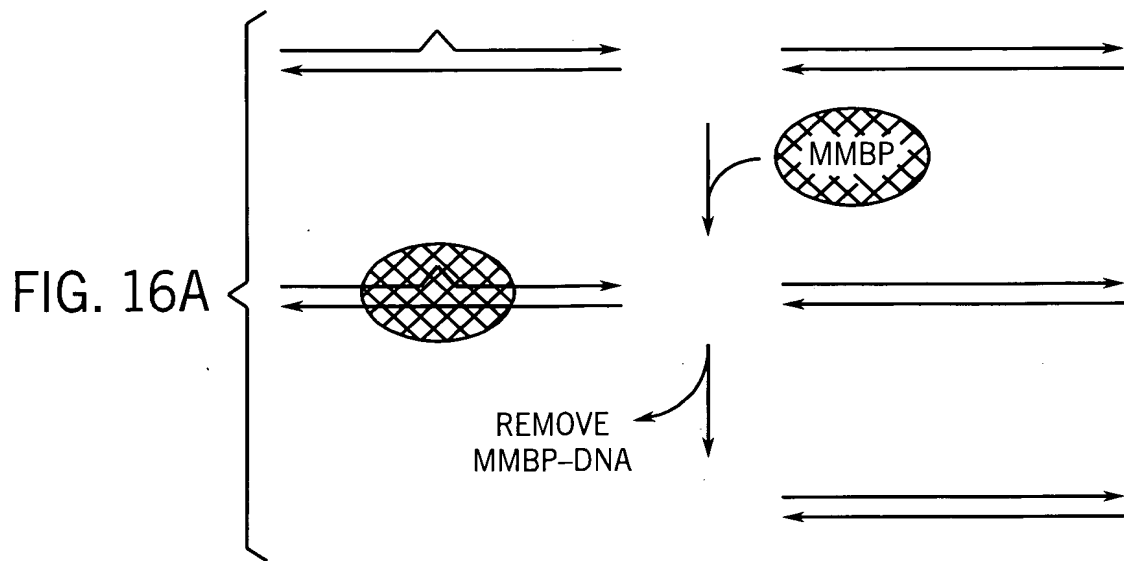


FIG. 16B

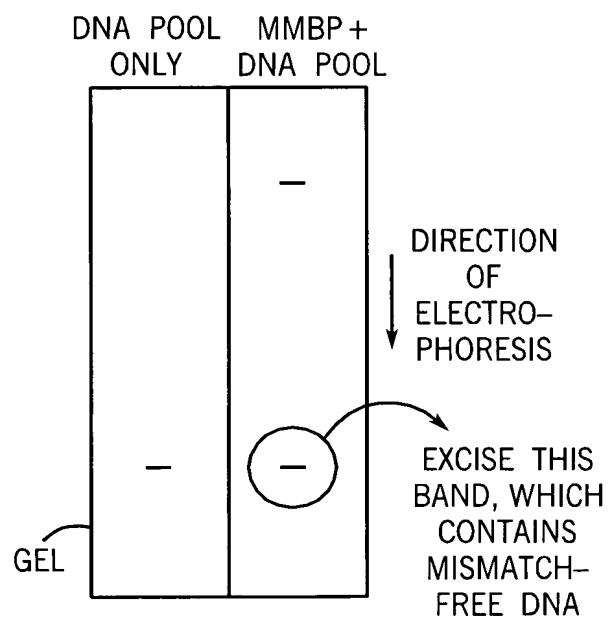


FIG. 16C

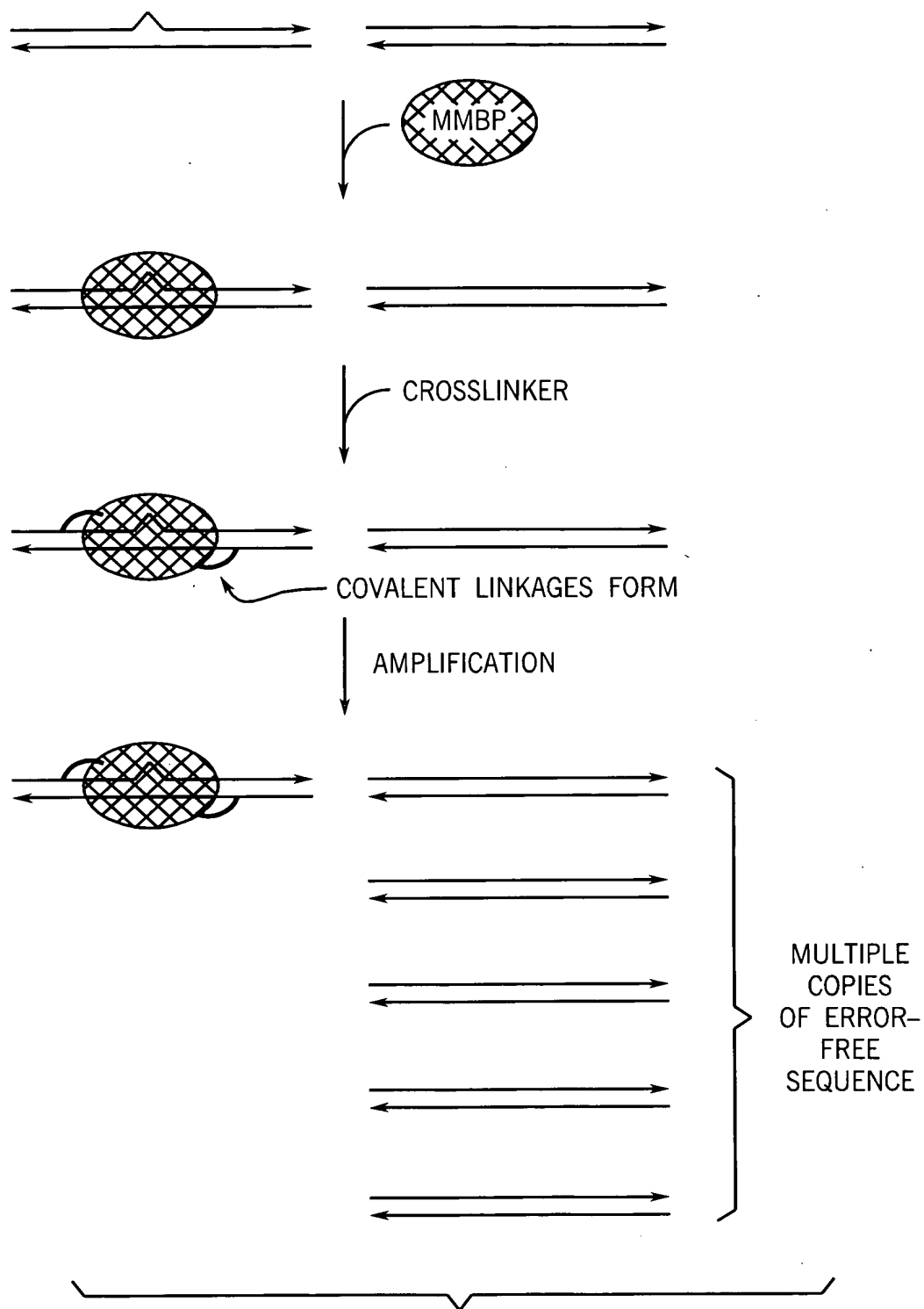


FIG. 17

FIG. 18

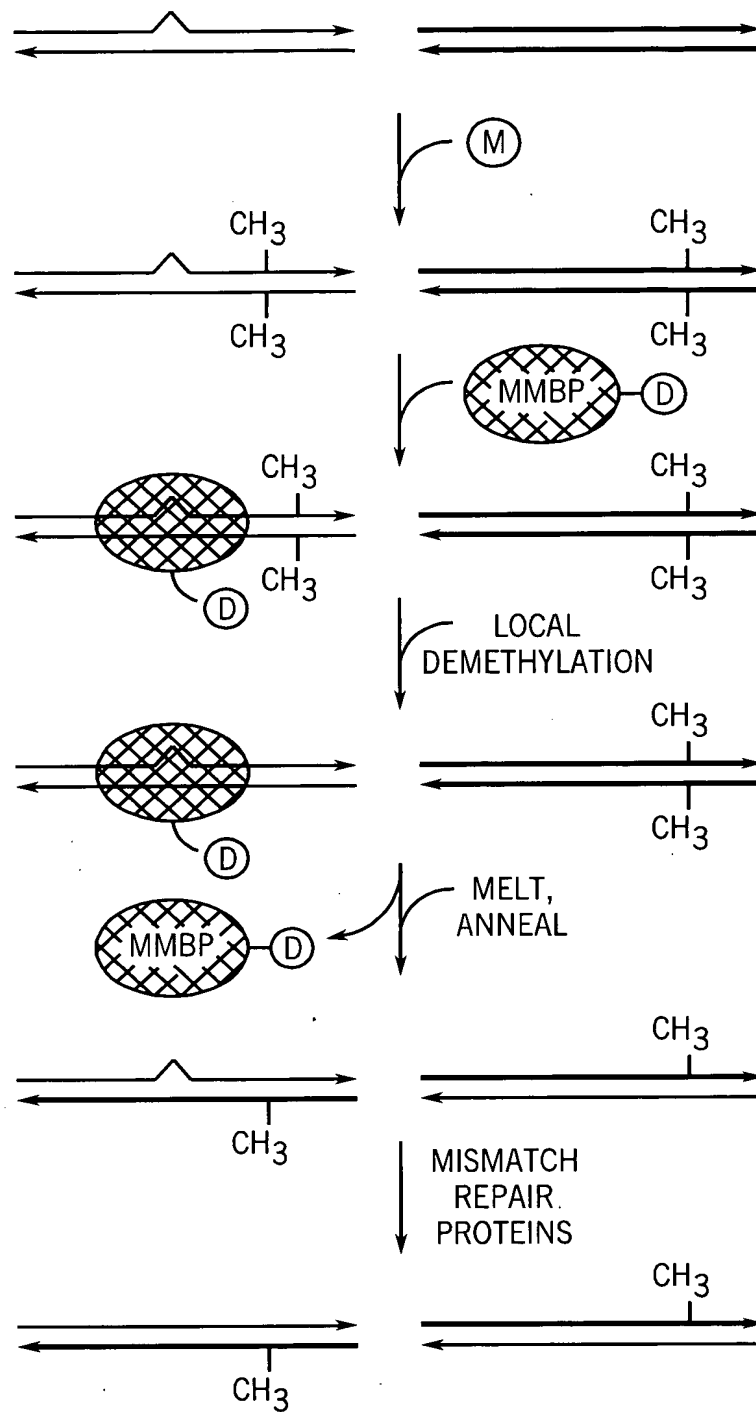
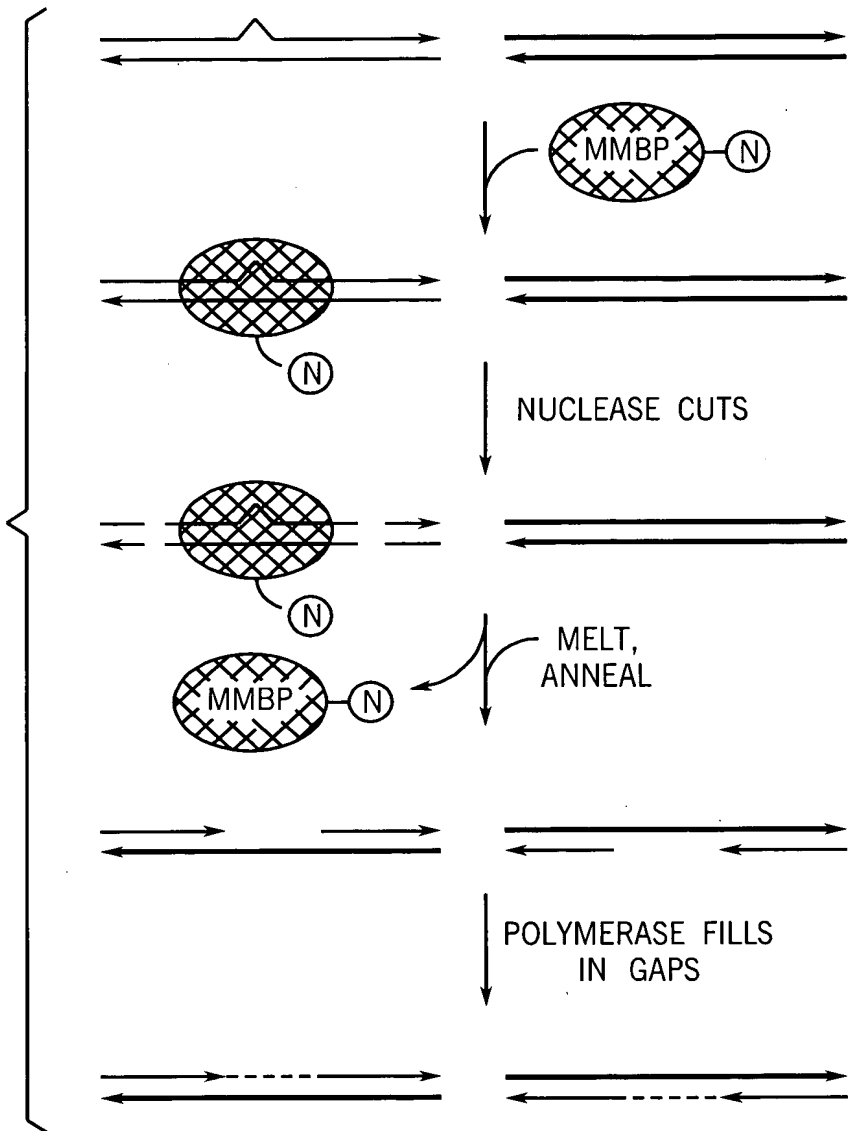


FIG. 19



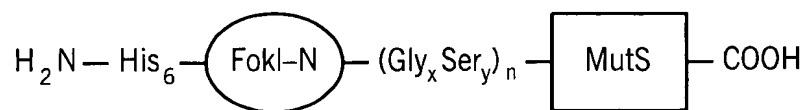


FIG. 20A

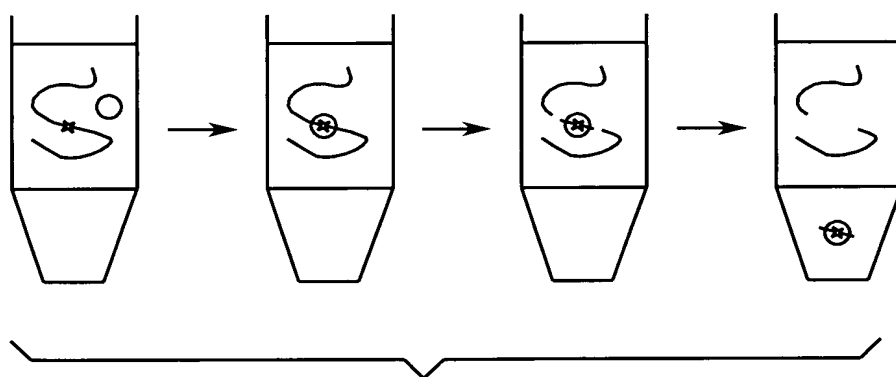
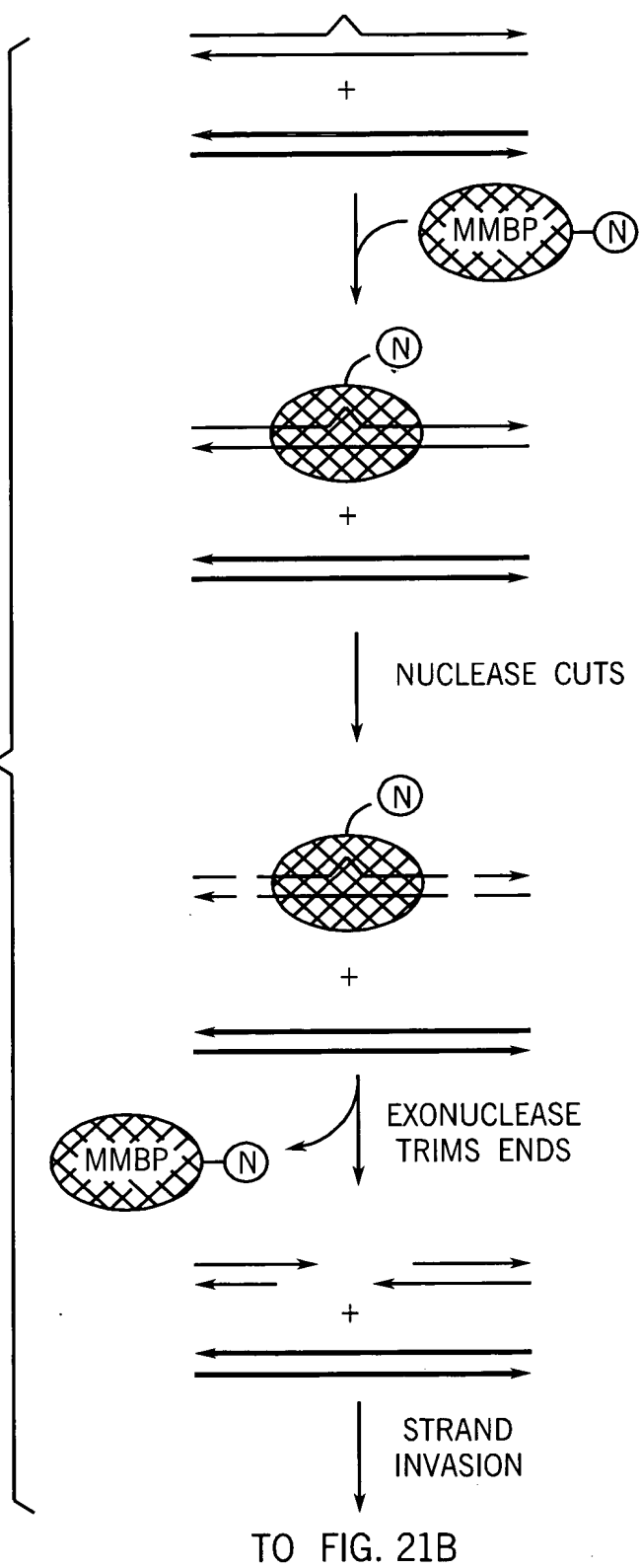
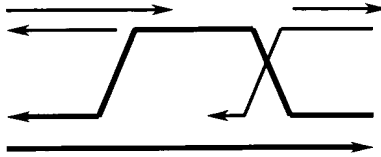


FIG. 20B

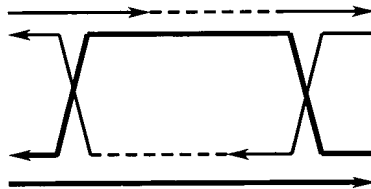
FIG. 21A



FROM FIG. 21A



DNA SYNTHESIS,
BRANCH MIGRATION



RESOLUTION

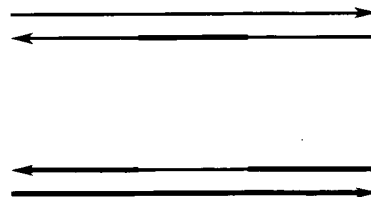


FIG. 21B

FIG. 22

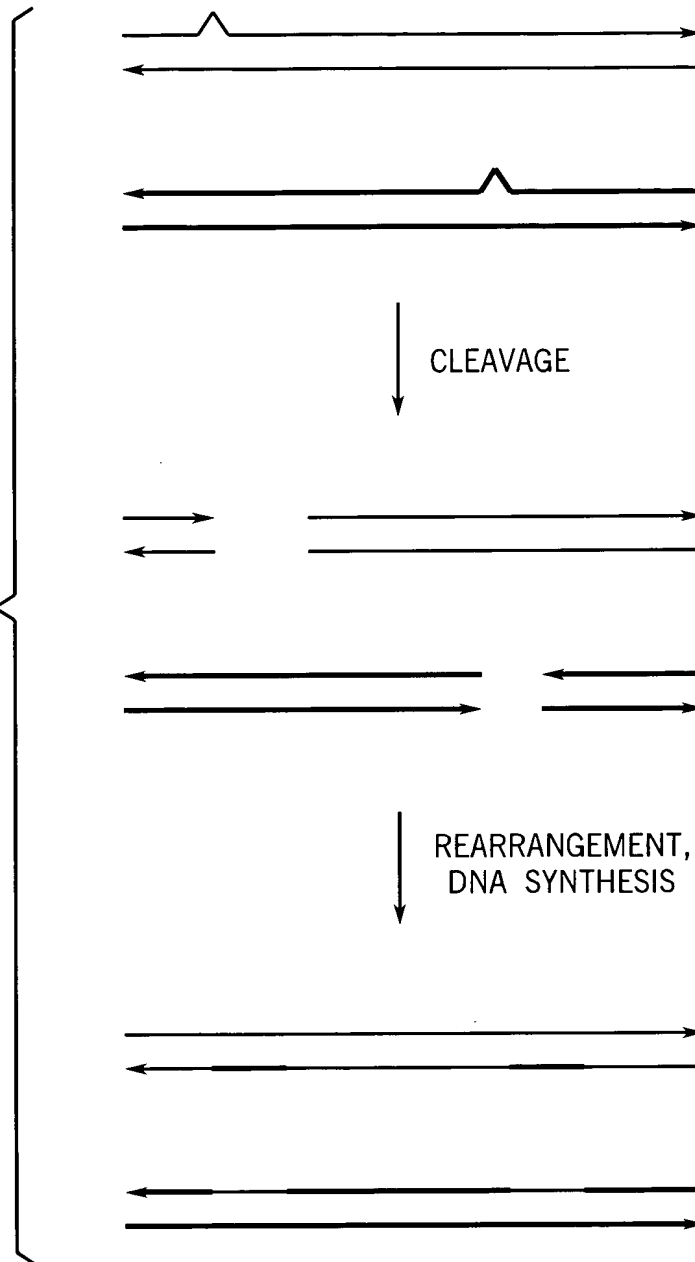
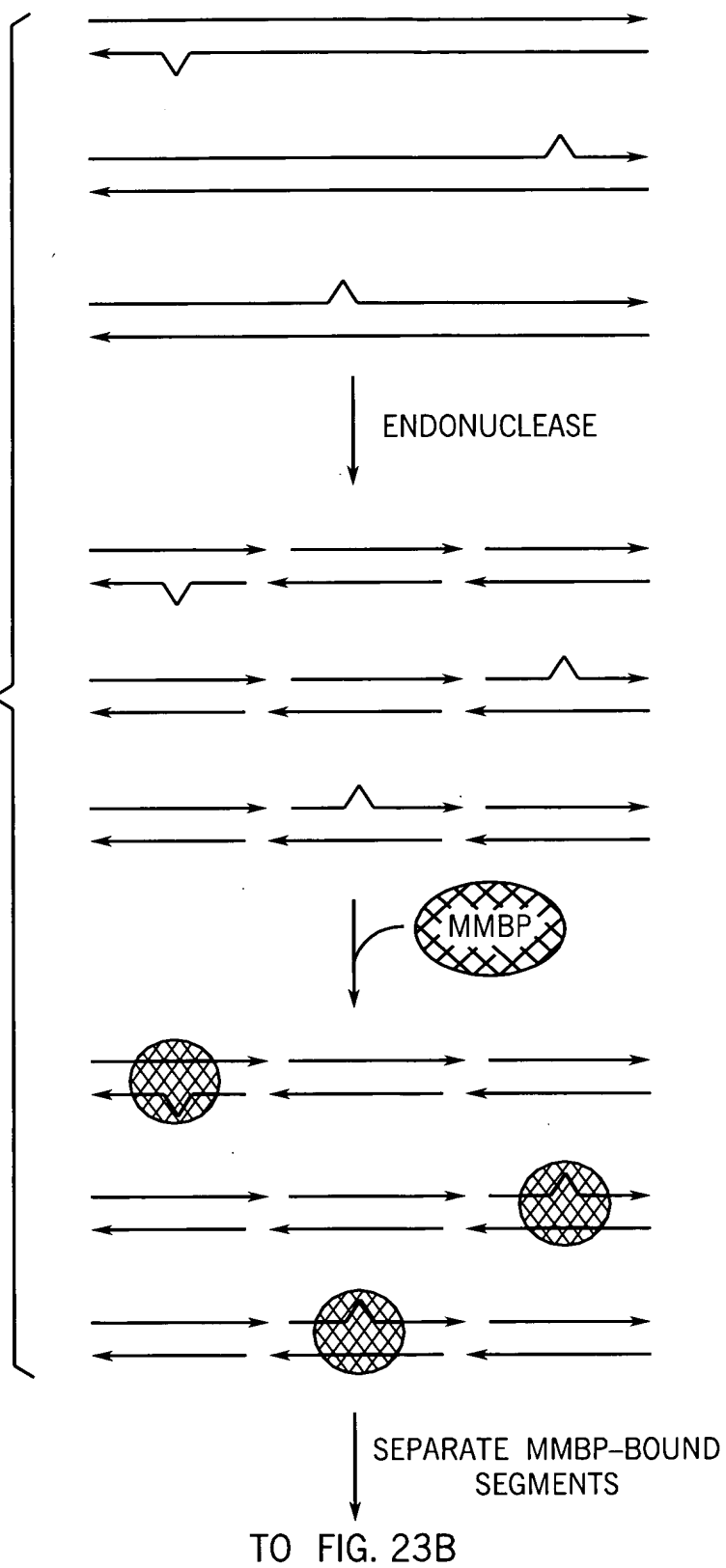
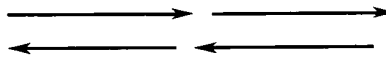
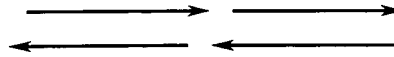


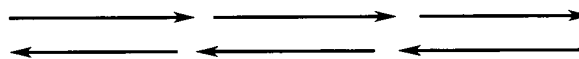
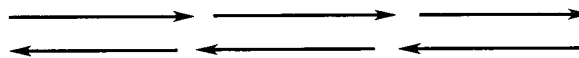
FIG. 23A



FROM FIG. 23A



ANNEAL COHESIVE ENDS



LIGATE

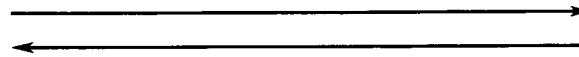
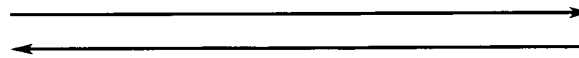


FIG. 23B



FIG. 24

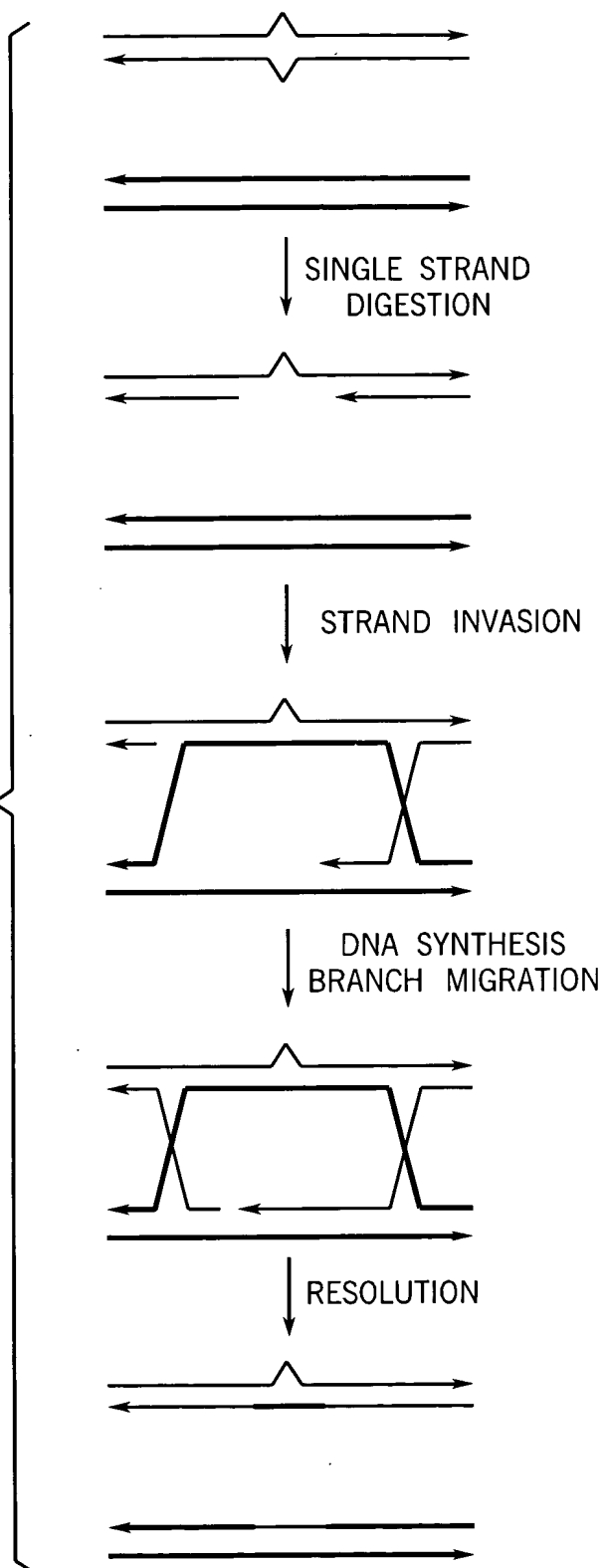




FIG. 25